

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

1. (Currently Amended): An alloy coated boiler part for welding, comprising, before the welding:

a base material body, and

a coating which coats the base material body, the coating composed of an alloy material comprising Ni and Cr in total over a half proportion of the alloy material, the coating including

a weld-area coating composed of said alloy material in which B is 0.1% or less and Si is 0.5% or less said weld portion coating being positioned at an end portion subjected to welding and the vicinity thereof, and

a non-weld-area coating composed of said alloy material of composition in which contents of B and Si are in the range of 1 to 5% respectively.

2. (Previously Presented): The alloy coated boiler part according to claim 1, wherein said weld-area coating covers a region from the end portion subjected to the welding and positions apart from the end portions by 15 to 50mm.

3-4. (Cancelled):

5. (Previously Presented): The alloy coated boiler part according to claim 1 or claim 2, wherein said alloy materials for the weld-area coating is composed of super alloy materials corresponding to JIS G 4901, 4902-NCF 625, and said alloy materials for the non-weld-area coating is composed of nickel self-fluxing alloy materials corresponding to JIS H 8303-SFNI 4, and thickness ratio between said the weld-area coating and said the non-weld-area coating is set to 1.2 to 2.0 : 1.

6. (Original): The alloy coated boiler part according to claim 1 or claim 2, wherein said alloy coated boiler part is a boiler furnace panel or a boiler tube.

7. (Previously Presented): The alloy coated boiler part according to claim 1 or claim 2, wherein said alloy coated boiler part is a boiler furnace panel in which a tube material and a plate material are joined alternately, and a notch is formed, at the end portion of said plate material.

8. (Withdrawn): A method of welding self-fluxing alloy coated boiler part, comprising the steps of:

preheating the boiler part so as to form a gradationally preheated region at an end portion subjected to welding wherein temperature gradually decreases inward from the end portion by using slow heating condition with a speed of temperature rise at said end portion is 2 to 10°C/sec; and then

performing a welding operation of said end portion,

wherein the self-fluxing alloy coated boiler part comprises a weld-portion coating composed of a self-fluxing alloy material comprising Ni and Cr in total over a half proportion of the alloy material.

9. (Withdrawn): The method of welding self-fluxing alloy coated boiler part according to claim 8, wherein said preheating is performed under a condition where a region widened inwardly by 15 to 50mm than a filler metal applied region in said welding operation is taken to as said gradation preheated region, and temperature of a maximum temperature portion is set to 450 to 600°C.

10. (Withdrawn): The method of welding self-fluxing alloy coated boiler part according to claim 8 or claim 9, wherein said welding operation is a weld building-up and uses a filler metal composed of an alloy material comprising Ni and Cr in total over a half proportion thereof and contents of B and Si are suppressed such that B is 0.1% or less and Si is 0.5% or less and the alloy material is applied to the region spreading inwardly from said end portions.

11. (Withdrawn): The method of welding self-fluxing alloy coated boiler part according to claim 8 or claim 9, wherein said welding operation is weld joint of said end portion, and uses a filler metal composed of an alloy material comprising Ni and Cr in total over a half proportion thereof and contents of B and Si are suppressed such that B is 0.1% or less and Si is 0.5% or less.